

## REMARKS

Claims 16-31 are pending in the application. Claims 1-15 (all of which are free of the art) have been canceled and replaced by claims 16-31, which are supported by claims 1-15 and the specification and have been drafted to correct typographical errors such as spelling errors, to place an internal preferred embodiment into dependent claim 25, and to otherwise place the claims in better form.

The Examiner has made suggested changes, which have been incorporated into the new claims. The comment regarding certain non-recited variables is noted. Of course, there is no requirement that variables be continuously numbered. The "missing" variables do not render the claims indefinite.

Claims 1-15 are rejected under 35 U.S.C. § 112 as indefinite.

The Examiner has requested clarification of the broken bonds in Formula I. This is merely an obvious graphics error. In the re-drafted claims, the broken bonds have been joined.

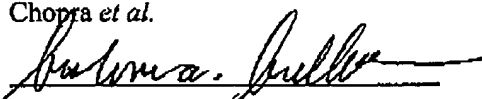
The Examiner has requested the meaning of "r" in formula VB on page 25. This meaning has now been added in the re-drafted claims. The definitions are supported by page 9, lines 1-16 of the specification.

The Examiner has requested the meaning of "+n" in formula on page 26. This expression must be read in combination with " $nX^{-1}$ ". In order to balance the valences, the quaternary amine must have two n's of equal value. Thus, if the cationic portion of the molecule has a valence of +2, then the anionic portion,  $nX^{-1}$ , must be  $2X^{-1}$ . This would be clearly apparent to one of ordinary skill in the art. Note that, for purposes of consistency,  $(SO_4)^{-2}$  is no longer recited as a meaning of  $X^{-1}$ .

Lastly, the Examiner has requested the definition of "y" in the same formula. This meaning has now been added in the re-drafted claims. Although not required by the Examiner, the definition of "z" has also been added. Both definitions are supported by page 9, lines 34/35 of the specification.

It is requested that the amendment be entered and that the Examiner reconsider the rejection in view of the amendment and Remarks and that the case be passed to issue.

Respectfully submitted,  
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